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WATER SUPPLY OUTLOOK FOR UTAH



U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

**UTAH STATE DEPARTMENT OF NATURAL RESOURCES
-- DIVISION OF WATER RIGHTS**

AS OF
MAY 1, 1975

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*Cover Photo: Cabins near Sacajawea Snow Course
in Bridger Mountains, Montana.*

SCS PHOTO 11-P480-15

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR UTAH

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

Released by

A. W. HAMELSTROM

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

DEE C. HANSEN

STATE ENGINEER
DIVISION OF WATER RIGHTS
UTAH STATE DEPT. OF NATURAL RESOURCES

Report prepared by

BOB L. WHALEY, Snow Survey Supervisor
and

DAVID C. McWHIRTER, Assistant Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
4012 FEDERAL BUILDING
SALT LAKE CITY, UTAH 84138



PROSPECTIVE WATER SUPPLIES

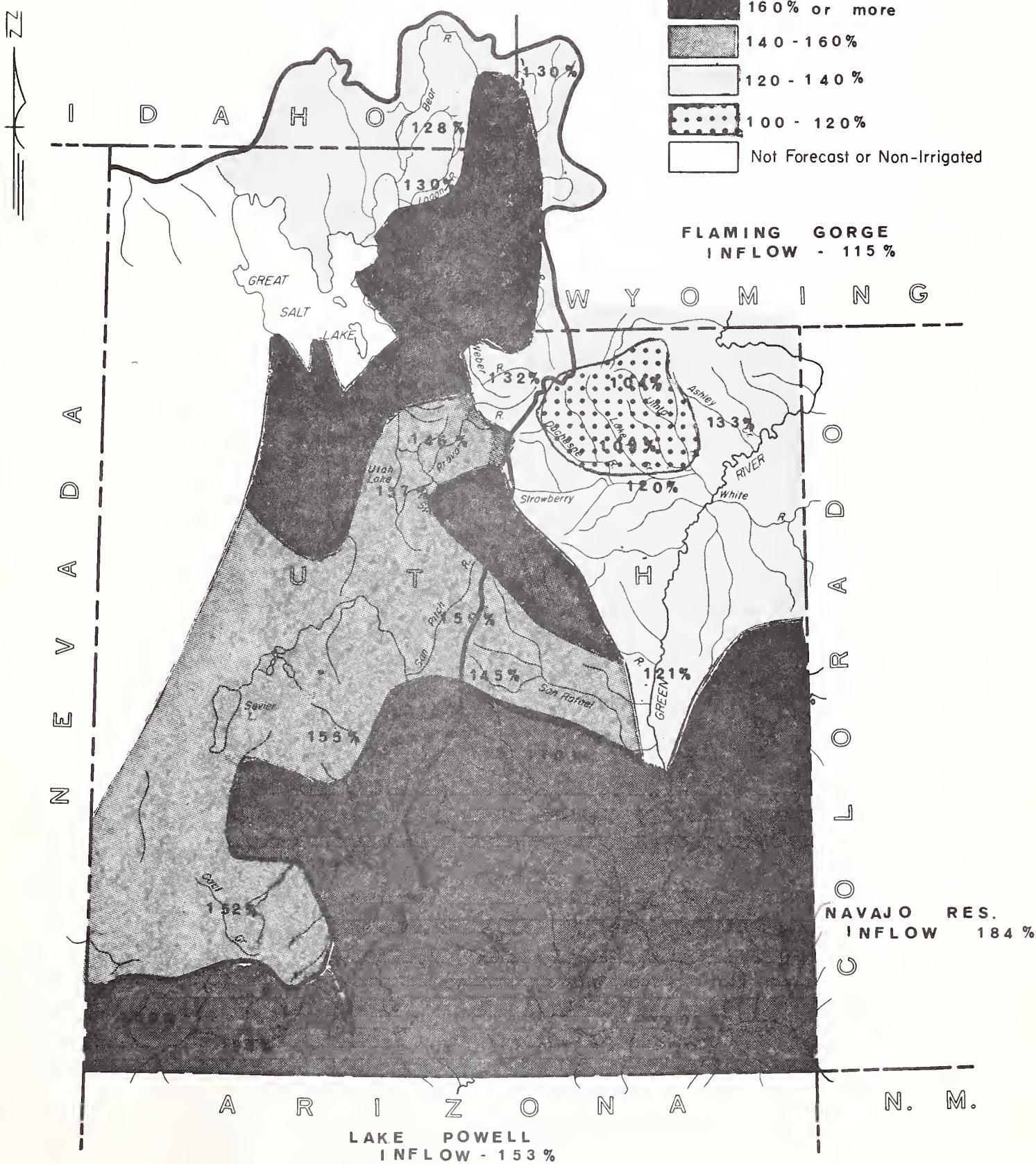
**Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS**

MAY 1, 1975

Approximate Date

A horizontal scale bar with tick marks at 50, 0, 50, and 100. The text "SCALE IN MILES" is centered below the bar.

FORECAST STREAM FLOW
 in Percent of 1958-72 15 Year Average



WATER SUPPLY OUTLOOK

as of
MAY 1, 1975

SNOW COVER

Cold temperatures during April retarded normal snow melt and stormy weather increased snow pack water contents over most of the state. Snow cover received the largest increases in the medium elevation zone (6500-8500 feet) and many of these areas now have new record high water contents for May 1. High elevation snow is generally well above average but not as high as 1952, 1965, 1969, and 1973.

PRECIPITATION

Precipitation at mountain locations during April fell as snow and ranged from 64% of average at Currant Creek to 396% at Oak Creek. Most Uinta Basin and Upper Bear stations were below average.

RESERVOIR STORAGE

Storage in 24 of Utah's key irrigation reservoirs totals 141% of average for May 1 although less than a year ago. Many northern Utah reservoirs have released water this spring to make room for snow melt runoff. Utah Lake is -0.34 foot below compromise and the elevation of Great Salt Lake is 4200.90 feet above mean sea level, 0.25 foot lower than a year ago on May 1 and 0.40 foot below last year's peak on June 1, according to the U. S. Geological Survey.

STREAMFLOW FORECASTS

Streamflow forecasts increased again during April as a result of the retarded melt. Forecasts for the May-June and May-July periods now range from 104% on the Uinta River to 287% on Lost Creek. Cold weather delayed normal April melt and at the same time increased the snow pack and increased the probability for high peak flows when the weather does turn warm.

High mean daily peak flows are expected along the Wasatch Front near Salt Lake, the Lost Creek, Hardscrabble Creek, Ogden River, Little Bear River, Blacksmith Fork, and Logan River in northern Utah. Salina Creek, Chalk Creek, Virgin River, Coal Creek, Parowan Creek, Mill Creek and the San Juan River are potential problem areas of southern Utah.

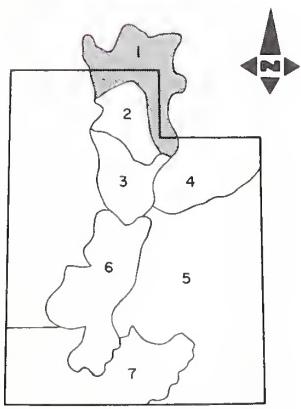
WATER SUPPLY OUTLOOK

BEAR RIVER BASIN in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**

LEGEND

- Watershed Boundary
- S. C. D. Boundary
- County Boundary
- ▲ Forecast Point
- Snow Course
- + Aerial Marker
- Soil Moisture Station
- SCS Precipitation Gage
- NWS Precipitation Gage
- Temperature Gage
- Snow Sensor
- △ Radio Telemetry
- Radio Base Station
- Radio Relay Station
- Snow Sensor with Snow Course



WATERSHED LOCATION



MAY 1, 1975

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER now ranges from 135% of average on the Upper Bear River to 168% on the Lower Bear. Many snow course measurements set new records for May 1 on several snow courses.

PRECIPITATION at mountain stations ranged from 77% of the April average at Monte Cristo Ranger Station to 178% at Salt River Summit.

SOIL MOISTURE is slightly below average.

RESERVOIR STORAGE is near average with Bear Lake 109% of the May 1 average, Hyrum is 74%, Porcupine is 82% and Woodruff Narrows is full.

STREAMFLOW FORECASTS have increased again this month and now range from 125% of average on Smiths Fork to 250% on Big Creek. The Bear at Harer is forecast 171%, Logan River 130%, and Little Bear 192%.

Maximum mean daily peak flows are expected to be 1.5 to 2 times average assuming normal temperature and precipitation during the snow melt period.

Report prepared by
BOB L. WHALEY

U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84138

BEAR RIVER BASIN in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
BEAR RIVER					
Bear nr Ut-Wyo. State Line	146	138	May-July	140	106
Bear nr Woodruff	172	158	May-July	155	109
Woodruff Ck nr Woodruff, Utah	20	153	May-July	17.2	13.1b
Big Ck nr Randolph, Utah	8.5	250	May-July	- -	3.4b
Bear nr Randolph	145	193	May-July	125	75
Smith's Fork nr Border, Wyo.	145	125	Apr-Sept	- -	116
Thomas Fork nr Ut-Wyo Border	42	130	Apr-Sept	- -	32
Bear at Harer, Idaho ¹	405	171	May-Sept	- -	237
Cub River nr Preston, Idaho	59	128	May-Sept	- -	46
Little Bear nr Paradise	46	192	May-June	29	24
Logan nr Logan ¹	127	130	May-July	117	98
Blacksmith Fork nr Hyrum	65	186	May-July	40	35

1 - Observed flow corrected for change in storage and diversions

b - Average of all past record - less than 15 years

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
UPPER BEAR RIVER	11	113	135
LOWER BEAR RIVER	7	134	168
LOGAN RIVER	5	121	149

PEAK FLOWS*

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Big Creek near Randolph	85-125	41b
Little Bear near Paradise	580-820	473
Logan River near Logan	1300-1580	984
Woodruff Creek near Woodruff	320-475	240

* - Peak Flows listed are maximum mean daily snow melt peak

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
BEAR RIVER	Bear Lake	1421.0	1133.5	1155.8	1040.0
	Woodruff Narrows	26.5	26.5	26.5	26.3
+ - 1958-72 15-Year Average Period					
LITTLE BEAR	Hyrum	15.3	10.5	11.8	14.2
	Porcupine	11.3	8.0	11.3	9.8

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

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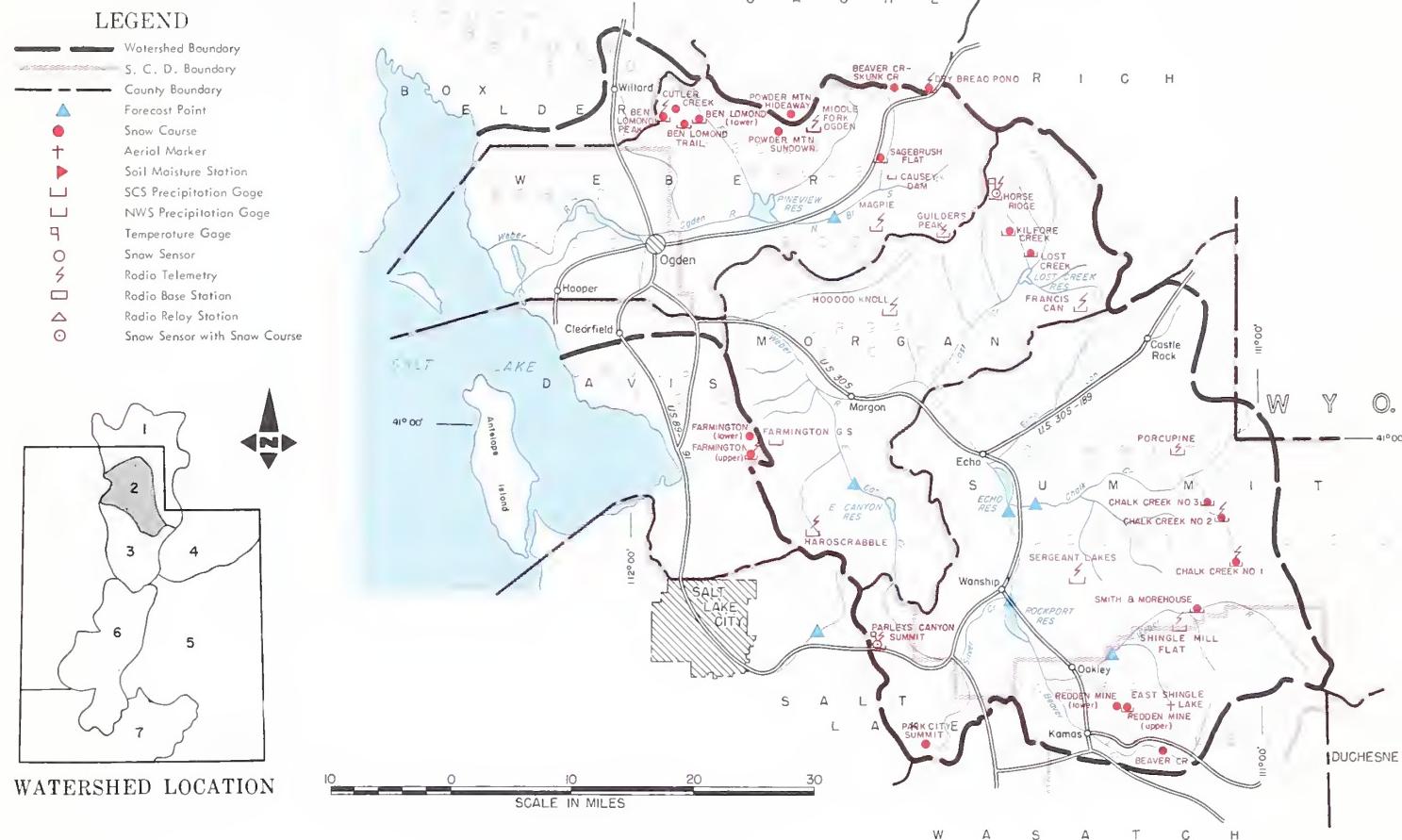
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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**



MAY 1, 1975

THE WATER SUPPLY OUTLOOK IS EXCELLENT

SNOW COVER ranges from 167% of the May 1 average on the Weber Basin to 194% on the Ogden River Basin. A cold stormy April increased snow water contents to new record levels for May 1 on many snow courses.

PRECIPITATION at mountain stations ranged from 92% of average at Horse Ridge to 151% at Farmington Guard Station.

SOIL MOISTURE is near average.

RESERVOIR STORAGE has been reduced to make room for snow melt runoff and is now 80% of average and 48% of capacity on the Ogden and 102% of average and 72% of capacity on the Weber.

STREAMFLOW FORECASTS have again increased and now range from 132% for the Weber at Oakley to 287% of the May-June average for Lost Creek near Croydon. Pineview Inflow is expected to be 145,000 acre-feet (226%) during the May-June period.

Maximum mean daily peak flows in this area are expected to be much above average assuming normal temperature and precipitation during the snow melt season.

Report prepared by
BOB L. WHALEY

U. S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE

FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84138

WEBER-OGDEN WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	THOUSAND ACRE FEET	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET	Average +
WEBER-OGDEN RIVERS					
South Fork Ogden nr Huntsville	66	194	May-June	49	34
Pineview Reservoir Inflow ²	145	226	May-June	115	64
Lost Creek nr Croydon, Utah	27	287	May-June	- -	9.4
East Canyon Ck nr Morgan ¹	28	216	May-June	21	13
Hardscrabble Ck nr Porterville	23	205	May-June	- -	11.2
Chalk Creek at Coalville	47	181	May-June	48	26
Weber near Coalville ¹	130	138	May-June	- -	94
Rockport Reservoir Inflow ¹	132	133	May-June	- -	99
Weber near Oakley	120	132	May-June	118	91
JORDAN RIVER & SALT LAKE					
Farmington Ck nr Farmington	11.7	180	May-July	- -	6.5
1 - Observed flow corrected for change in storage and diversions					
2 - Inflow record as computed by U. S. Bureau of Reclamation					
b - Average of all past record - less than 15 years					
+ - 1958-72 15-Year Average					

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
OGDEN	Causey	6.9	0.5	2.3	2.5
	Pineview	110.1	55.8	93.6	67.8
WEBER	East Canyon	48.1	37.8	45.1	25.6
	Echo	73.9	40.8	47.4	53.9
	Lost Creek	20.0	11.2	16.1	11.3
	Rockport	60.9	32.7	52.4	30.5
	Willard Bay	193.3	164.8	159.1	161.7

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
OGDEN RIVER	6	188	194
WEBER RIVER	12	126	167

PEAK FLOWS*

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Lost Creek near Croydon	440-660	206b
South Fork Ogden near Huntsville	875-1175	697
Chalk Creek near Coalville	520-740	373

* - Peak Flows listed are maximum mean daily snow melt peak

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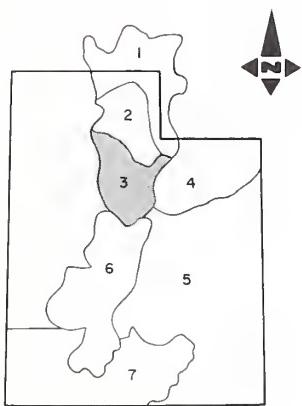
WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**

LEGEND

- — —** Watershed Boundary
- - -** S. C. D. Boundary
- - -** County Boundary
- ▲** Forecast Point
- Snow Course
- + + +** Aerial Marker
- ◆ ◆ ◆** Soil Moisture Station
- SCS Precipitation Gage**
- NWS Precipitation Gage**
- Temperature Gage**
- Snow Sensor**
- Radio Telemetry**
- Radio Base Station**
- Radio Relay Station**
- Snow Sensor with Snow Course**



WATERSHED LOCATION



MAY 1, 1975

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER between 6500 and 8500 foot elevations indicates new record high water content readings for May 1. Basin snow cover averages now range from 163% of the May 1 average for the Jordan River above Salt Lake to 202% for the Utah Lake drainages. Tooele Valley drainages are 191% of the May 1 average.

PRECIPITATION at mountain stations ranged from 61% of the April average for Clear Creek to 141% for Payson Creek.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is above average in Strawberry and Utah Lake but slightly below average in Deer Creek. Utah Lake was 0.34 foot below compromise and 80,200 acre-feet below last years storage on May 1.

STREAMFLOW FORECASTS increased again as a result of a cool wet April and now range from 130% of May-July average for Little Cottonwood Creek to 213% for Emigration Creek. Parley's Creek is forecast 207% of average, Mill Creek 182% and City Creek 190% of the May-July average. Utah Lake Inflow is expected to be 157% of average. Settlement Creek near Tooele is forecast 181% of its May-July average. Maximum mean daily peak flows on streams in this area are expected to be well above average due to late spring snowfall at low and medium elevations.

Report prepared by
BOB L. WHALEY

U. S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
FEDERAL BLDG., ROOM 4012 - SALT LAKE CITY, UTAH 84138

UTAH LAKE, JORDAN RIVER and TOOKELE VALLEY WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
PROVO RIVER & UTAH LAKE					
Provo nr Hailstone ¹	124	138	May-July	--	90
Provo below Deer Creek Dam ¹	130	148	May-July	--	88
American Fork nr American Fk	38	146	May-July	--	26
Hobble Creek nr Springville	19.5	163	May-July	18.5	12
Payson Creek nr Payson	8.1	159	May-July	--	5.1b
Strawberry Reservoir Inflow ¹	46	131	May-July	43	35
Spanish Fork at Thistle	41	164	May-July	34	25
Utah Lake Inflow	225	157	May-July	153	143
JORDAN RIVER & SALT LAKE					
Farmington Ck nr Farmington	11.7	180	May-July	--	6.5
City Creek nr Salt Lake City	11.4	190	May-July	--	6.0
Emigration Creek nr SLC	5.1	213	May-July	--	2.4
Parley's Creek nr SLC	19.5	207	May-July	16.0	9.4
Mill Creek nr Salt Lake City	9.1	182	May-July	--	5.0
Big Cottonwood nr SLC	44	142	May-July	39	31
Little Cottonwood nr SLC	43	130	May-July	--	33
TOOELE VALLEY					
Settlement Creek nr Tooele	3.8	181	May-July	--	2.1b
Vernon Creek nr Vernon	0.8	200	May-July	0.6	0.4b

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
SPANISH FORK	Strawberry	270.0	218.6	227.2	129.3
UTAH LAKE	Utah Lake	883.9	851.7	931.9	667.7
PROVO RIVER	Deer Creek	149.7	97.3	129.6	103.5
SETTLEMENT CREEK	Settlement Creek	1.2	1.0	1.2	--
	Vernon Creek	0.6	0.6	--	--

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PROVO RIVER & UTAH LAKE	12	156	202
JORDAN RIVER & SALT LAKE	4	124	163
TOOELE VALLEY	3	119	191

1 - Observed flow corrected for change in storage and diversions
 b - Average of all past record - less than 15 years
 + - 1958-72 15-Year Average Period
 * - Peak flows listed are maximum mean daily snow melt peak

PEAK FLOWS *

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Spanish Fork near Thistle	450-750	365
Hobble Creek near Springville	350-600	210
Little Cottonwood nr Salt Lake City	475-550	409
Big Cottonwood nr Salt Lake City	435-530	377
Mill Creek nr Salt Lake City	85-110	52
Parley's Creek nr Salt Lake City	190-245	116
Emigration Creek nr Salt Lake City	55-75	36
City Creek nr Salt Lake City	90-120	64

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WATER SUPPLY OUTLOOK

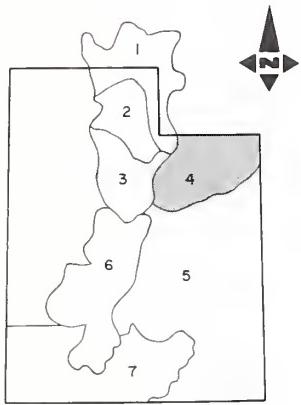
UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS

LEGEND

- The legend includes the following entries:

 - Watershed Boundary**: A thick black line.
 - S. C. D. Boundary**: A pink dashed line.
 - County Boundary**: A thin black line.
 - Forecast Point**: An orange triangle.
 - Snow Course**: A red circle.
 - Aerial Marker**: A red cross.
 - Soil Moisture Station**: A red right-pointing triangle.
 - SCS Precipitation Gage**: A blue square.
 - NWS Precipitation Gage**: A blue square with a cross.
 - Temperature Gage**: A blue circle.
 - Snow Sensor**: A blue circle with a cross.
 - Radio Telemetry**: A blue left-pointing triangle.
 - Radio Base Station**: A blue square with a circle.
 - Radio Relay Station**: A blue triangle with a circle.
 - Snow Sensor with Snow Course**: A blue circle with a red circle inside.



WATERSHED LOCATION

MAY 1, 1975

THE WATER SUPPLY OUTLOOK IS AVERAGE TO ABOVE AVERAGE

SNOW COVER continued to increase during a cold stormy April and now ranges from 119% of the May 1 average on Ashley-Brush Creeks to 276% on Strawberry River. Uintah and Whiterocks drainages are 136%, Duchesne 188%, and Lakefork-Yellowstone is 187% of average.

PRECIPITATION ranges from 37% of average at Rock Creek Ranch to 185% at Mosby Mountain.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is below average in Moon Lake and Steinaker and a little less than last year at this time in Flaming Gorge. Starvation is a little above last May 1 with 124,400 acre-feet and Bottle Hollow is about the same as last year with 10,000 acre-feet in storage.

STREAMFLOW FORECASTS increased 8 to 33% during April. A cold stormy month continued to accumulate snow and allowed melt only at the lower elevations. Forecasts now range from 104% of the May-July average on the Uintah to 141% on the Strawberry at Duchesne. Ashley Creek is forecast at 64,000 acre-feet (133%) with a maximum mean daily peak flow to range between 1000 and 1525 cfs assuming normal temperature and precipitation during the melt season.

U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84138

UINTAH BASIN and DAGGETT SCD's in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
DUCESNE RIVER					
Strawberry at Duchesne	65	141	May-July	- -	46
Duchesne nr Tabiona ¹	112	119	May-July	- -	94
Rock Creek nr Mtn. Home	107	119	May-July	81	90
Duchesne at Duchesne ¹	204	120	May-July	- -	170
Lakefork below Moon Lake ¹	72	109	May-July	- -	66
Yellowstone nr Altonah	67	110	May-July	- -	61
Duchesne at Myton ¹	234	126	May-July	- -	185
Uinta nr Neola	86	104	May-July	- -	83
Whiterocks nr Whiterock	59	105	May-July	28	56
Duchesne at Randlett ¹	260	130	May-July	- -	200
FLAMING GORGE TO DUCESNE RIVER					
Ashley Creek nr Vernal	64	133	May-July	- -	48
Henry's Fork at Linwood	56	124	Apr-Sept	- -	45
Flaming Gorge Inflow ¹	1349	115	Apr-July	1430	1174
1 - Observed flow corrected for change in storage and diversions					

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN And or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF
	Last Year	Average
DUCESNE RIVER	9	288
STRAWBERRY RIVER	2	214
LAKEFORK-YELLOWSTONE	3	443
UINTAH-WHITEROCKS	2	186
ASHLEY-BRUSH CREEKS	2	121

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
ASHLEY CREEK	Steinaker	33.3	19.3	29.4	22.6
GREEN RIVER	Flaming Gorge	3749.0	3101.0	3178.0	1629.0
LAKE FORK	Moon Lake	35.8	11.5	25.9	19.0
STRAWBERRY	Starvation	165.3	124.4	110.2	- -
UINTA	Bottle Hollow	11.3	10.0a	10.3	- -

a - Partly Estimated

+ - 1958-72 15-Year Average Period

PEAK FLOWS*

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Ashley Creek near Vernal	1000-1525	906
Strawberry at Duchesne	900-1300	628

* - Peak Flows listed are maximum mean daily snow melt peak

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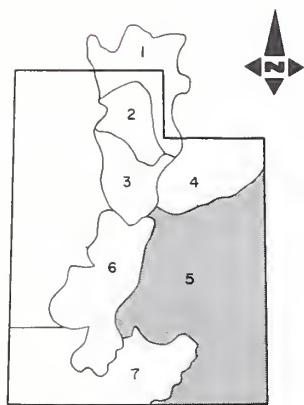
WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

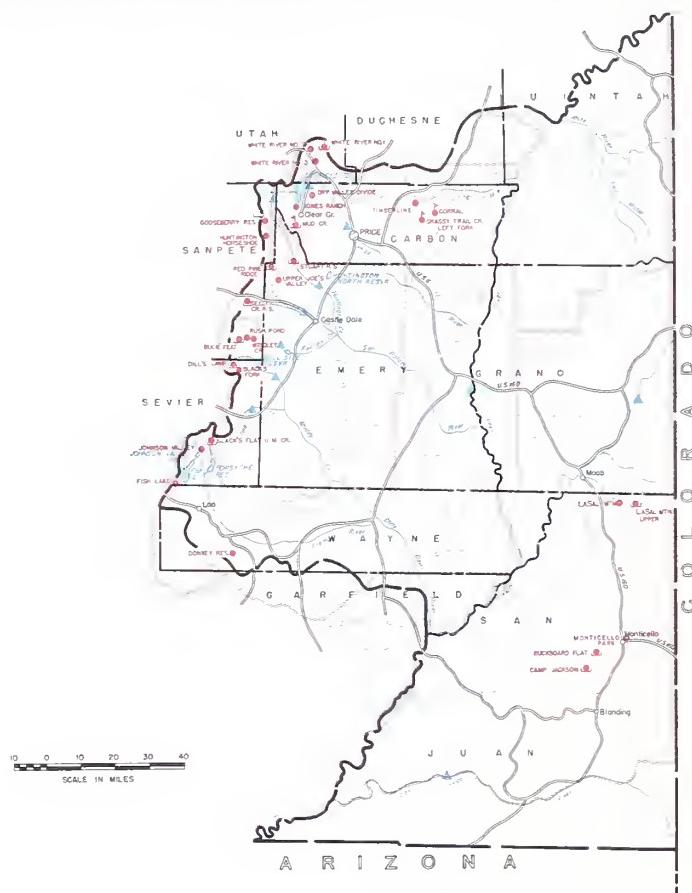
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LEGEND

- Watershed Boundary
- S. C. D. Boundary
- County Boundary
- ▲ Forecast Point
- Snow Course
- + Aerial Marker
- Soil Moisture Station
- SCS Precipitation Gage
- NWS Precipitation Gage
- Temperature Gage
- Snow Sensor
- △ Radio Telemetry
- Radio Base Station
- Radio Relay Station
- Snow Sensor with Snow Course



WATERSHED LOCATION



MAY 1, 1975

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER continued to increase during a cool, wet April and now ranges from 160% on the San Rafael to 300% of the May 1 average on the San Juan River near Blanding. Normally much of the snow would have melted at medium and low elevations but this year snow water contents increased at many snow courses during April.

PRECIPITATION ranged from 81% of average on some stations on the San Rafael and Price River to 251% on the San Juan near Blanding.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is above average and all reservoirs are expected to fill this season.

STREAMFLOW FORECASTS improved again this month and now range from 121% of average at Green River to 211% for Mill Creek near Moab. The San Juan near Bluff is forecast at 205% of the April-July average or almost 5 times last years flow for the same period.

Report prepared by
BOB L. WHALEY

U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84138

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
PRICE RIVER					
Gooseberry Creek nr Scofield	16.4	172	May-July	- -	9.5
Scofield Reservoir Inflow	54	186	May-July	- -	29
Price nr Heinerl	103	199	May-July	- -	52
SAN RAFAEL RIVER					
Huntington Ck nr Huntington	61	141	May-July	- -	41
Cottonwood Ck nr Orangeville	58	134	May-July	- -	43b
Ferron Creek nr Ferron	48	145	May-July	- -	33
DIRTY DEVIL RIVER					
Muddy Creek nr Emery	27	170	May-July	19.0	15.8
Seven Mile Creek nr Fish Lake	9.0	161	May-July	- -	5.6b
UPPER COLORADO RIVER					
Colorado nr Cisco, Utah	4753	168	Apr-July	2807	2835
Green at Green River, Utah	3432	121	Apr-July	3422	2839
Mill Creek nr Moab	8.0	211	May-July	- -	3.8
Navajo Reservoir Inflow	1100	184	Apr-July	- -	597
San Juan nr Bluff, Utah	1748	205	Apr-July	364	853

+ - Observed flow corrected for change in storage and diversions

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
PRICE RIVER	Scofield	65.8	35.9	48.0	34.4
SAN RAFAEL	Huntington North	3.9	3.9	3.8	3.3
	Joe's Valley	54.6	37.6	28.5	34.3
	Mill Site	16.7	5.2	6.7	- -
SAN JUAN	Navajo	1696.0	1083.0	981.0	- -

+ - 1958-72 15-Year Average Period

b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PRICE RIVER	6	205	207
MILL CREEK	2	171	209
SAN JUAN RIVER	2	163	300
SAN RAFAEL RIVER	7	143	160

PEAK FLOWS *

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Ferron Creek near Ferron	525-825	419
Muddy Creek near Emery	180-300	157

* - Peak Flows listed are maximum mean daily snow melt peak

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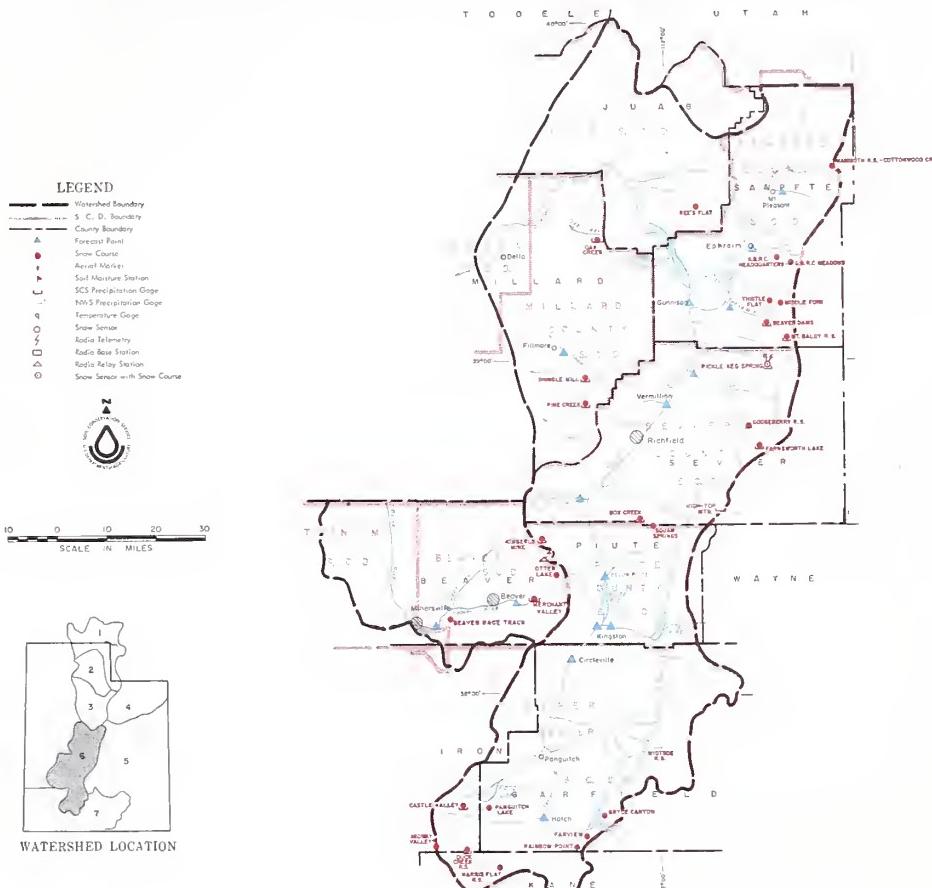
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WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS



MAY 1, 1975

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER now ranges from 156% of the May 1 average on Beaver River to 288% on Chalk Creek. The Upper Sevier is 193% and the Lower Sevier 160% of the May 1 average. Many medium elevation snow courses set new record high water contents for May 1 due to a cold stormy April. Snow courses which usually lose up to six inches of water content gained as much as 5.6 inches this year during April.

PRECIPITATION at mountain stations ranged from 93% of average at Beaver Canyon Power House to 396% at Oak Creek.

SOIL MOISTURE is slightly below to near average.

RESERVOIR STORAGE in the three Sevier River Reservoirs is now 139% of the May 1 average. Minersville is 94% of average and Gunnison is 123% of its May 1 average.

STREAMFLOW FORECASTS increased again and now range from 96% of average for the Inflow Kingston to Vermillion to 256% for Salina Creek. Maximum mean daily peak flows are expected to be above average. Salina Creek is expected to be between 650 cfs and 800 cfs or about the same to a little higher than the last two years, assuming normal temperature and precipitation during the melt period.

Report prepared by
BOB L. WHALEY

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84138

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average †
SEVIER RIVER					
Sevier at Hatch	48	141	May-July	- -	34
Sevier nr Circleville	41	195	May-July	- -	21
Antimony Ck nr Antimony	6.2	111	May-July	- -	5.6
East Fork Sevier nr Kingston ¹	14.1	170	May-July	- -	8.3
Sevier nr Kingston	26	173	May-July	- -	15
Sevier below Piute Dam ¹	37	168	May-July	- -	22
Clear Ck nr Sevier (abv Div)	16.5	130	May-July	11.9	12.7
Chalk Creek nr Fillmore	19.1	155	May-July	- -	12.3
Sevier nr Gunnison	52	186	May-July	- -	28
Inflow					
Kingston to Vermillion Dam	48	96	Mar-June	- -	50
Vermillion Dam to Gunnison	62	159	Mar-June	- -	39
Salina Creek at Salina	17.9	256	May-June	31	7.0
SAN PITCH RIVER					
Ephraim Ck nr Ephraim	21.0	159	May-July	- -	13.2b
Pleasant Ck nr Mt. Pleasant	10.5	150	May-July	- -	7.0
BEAVER RIVER					
Beaver nr Beaver	29	165	May-July	- -	17.6
Minersville Reservoir Inflow ¹	9.0	191	May-June	- -	4.7
North Creek near Beaver	16.3	158	May-July	- -	10.3
(Comb. North Fk and South Fk)					

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Years Averaged	THIS YEAR AS A PERCENT OF
	Last Year	Average
UPPER SEVIER	11	231
EAST FORK SEVIER	5	186
SOUTH FORK SEVIER	6	269
LOWER SEVIER	8	109
CHALK CREEK	2	- -
BEAVER RIVER	3	124

1 - Observed flow corrected for change in storage and diversions

b - Average of all past record - less than 15 years

+ - 1958-72 15 Year Average Period

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
SEVIER RIVER	Gunnison	18.2	16.8	18.1	13.7
	Otter Creek	52.5	39.9	52.7	37.5
	Piute	71.8	45.6	69.3	43.8
	Sevier Bridge	236.0	186.5	228.6	114.1
BEAVER RIVER	Minersville (Rky Fd)	23.3	13.2	22.6	14.0

PEAK FLOWS*

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Beaver near Beaver	300-475	212
Clear Creek near Sevier	190-230	170
Salina Creek near Salina	650-800	235

* - Peak Flows listed are maximum mean daily snow melt peak

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Ck nr Sevier-above Div.	5	Aug. 5	July 28
Salina Ck at Salina	25	June 20	June 10
Sevier at Circleville	90	July 1	June 24
Sevier at Hatch (upper)	100	July 16	July 10

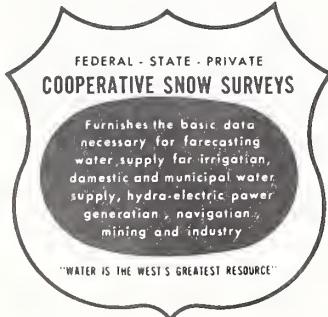
PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period †	Forecast Period
Panguitch Valley	100	82	April-Sept.
Circle Valley	83	65	April-Sept.
Sevier Valley	50	38	April-Sept.
Below Vermillion	68	55	April-Sept.

Below Vermillion - Flow above 360 cfs should total about 8,000-10,000 acre-feet.

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WATER SUPPLY OUTLOOK

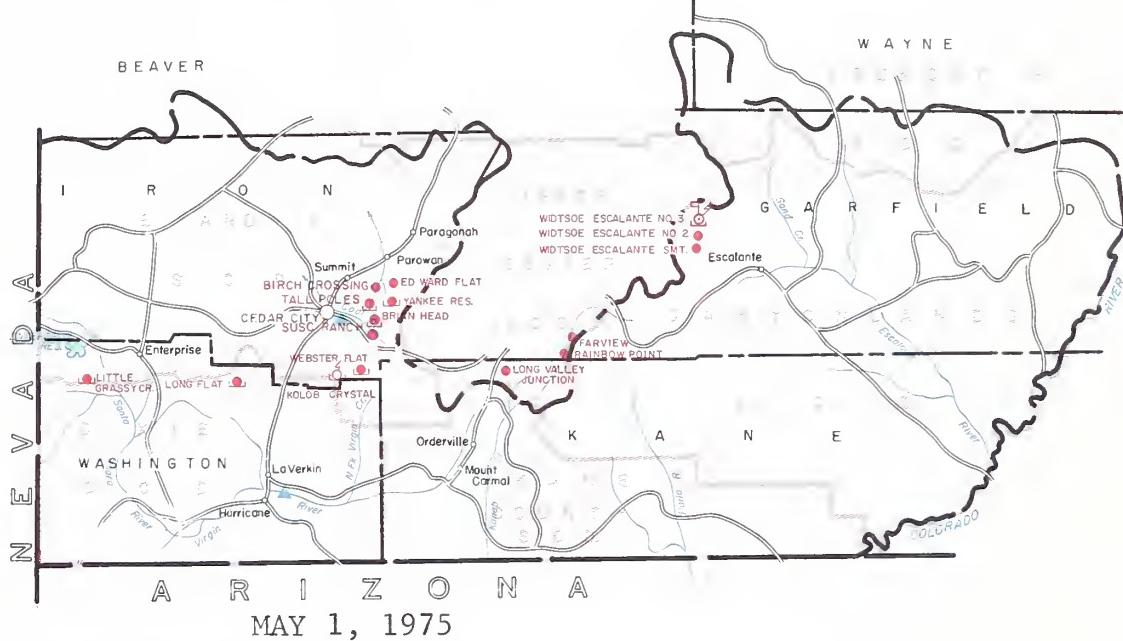
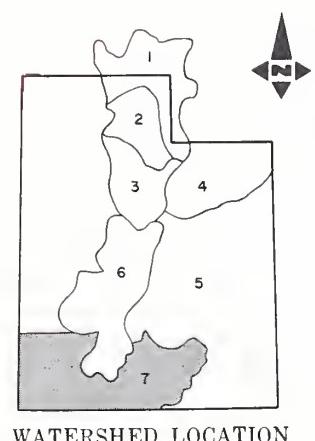
EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**

LEGEND

-  Watershed Boundary
-  S. C. D. Boundary
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-  Temperature Gage
-  Snow Sensor
-  Radio Telemetry
-  Radio Base Station
-  Radio Relay Station
-  Snow Sensor with Snow Course

10 0 10 20 30 40
SCALE IN MILES



THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER continued to increase as a result of a cool wet April and now ranges from 180% of the May 1 average on Coal Creek to 228% on Parowan Creek. Virgin River drainage is 200% of average and about three and a half times last year at this time. Ed Ward Flat snow course set a new May 1 record water content with 14.1 inches of water. Many other measurements were almost as high as the record year of 1969.

PRECIPITATION at mountain stations ranged from 53% of average at Little Grass Creek to 277% at Yankee Reservoir.

SOIL MOISTURE is still below average at higher elevations.

RESERVOIR STORAGE in Lake Powell is now 17,509,000 acre-feet and the reservoir is expected to rise as much as 25 feet in elevation this year.

STREAMFLOW FORECASTS have again increased as a result of increases to the snow pack and very little runoff during April. Forecasts now range from 152% of the May-July average on Coal Creek to 193% for the Virgin River. Santa Clara is forecast at 189% of the May-June period and Lake Powell Inflow at 153% of the April-July period.

Maximum mean daily peak flow on the Virgin is expected to range between 1050 and 1450 cfs and on Coal Creek between 250-400 cfs assuming normal temperature and precipitation during the melt period.

Report prepared by
BOB L. WHALEY

U.S. DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
FEDERAL BLDG. ROOM 4012 - SALT LAKE CITY, UTAH 84138

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
COAL CREEK					
Coal Creek nr Cedar City	19.8	152	May-July	6.1	13.0
UPPER COLORADO					
Lake Powell Inflow	10495	153	Apr-July	--	6881
VIRGIN RIVER					
Virgin nr Virgin Santa Clara nr Pine Valley	54 5.1	193 189	May-June May-June	10.0 --	28b 2.7b
b - Average of all past record less than 15 years					

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
COLORADO	Blue Mesa Lake Powell	829.5 25002.0	264.7 17509.0	295.2 18089.0	-- 8370.8
+ - 1958-72 15-Year Average Period					

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
COAL CREEK	3	292	180
PAROWAN CREEK	5	241	228
VIRGIN RIVER	2	352	200

PEAK FLOWS *

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Virgin near Virgin	1050-1450	631b
Coal Creek near Cedar City	250-400	245

* - Peak Flows listed are maximum mean daily snow melt peak

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SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		CURRENT INFORMATION					
				Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Big Park	5/2	68	26.2	23.3	22.4	4/30	2.48	2.64a	11.24	11.67a	96
Burts-Miller Ranch	4/30	27	8.8	8.5	1.6	4/30	4.22	4.24a	26.69	24.72a	108
CCC Camp	4/30	44	16.1	9.5	8.2	5/1	4.20	5.46b	33.21	33.08b	100
Hayden Fork	4/30	60	22.8R	20.0	15.5	4/29	4.35	2.45	23.35	19.19	122
Kelly Ranger Station	5/2	63	24.0	20.6	19.2	4/29	3.64b	23.18	23.36b	99	
LaBarge Guard Station	4/26	95	36.8	38.6	- -	5/1	2.90	3.64b	23.18	23.36b	
Monte Cristo Ranger Station	5/1	83	32.0	32.3	26.7	5/1	Data Not Available -	USU			
Piney-LaBarge #2	4/26	72	28.3	25.0	22.1a	5/1	Data Not Available -	USU			
Poison Meadows	4/26	93	33.7	36.9	32.4	5/1	Data Not Available -	USU			
Salt River Summit	4/29	58	22.0	14.6	13.9	5/1	Data Not Available -	USU			
Snyder Basin	4/26	52	19.9	15.4	14.4	5/1	Data Not Available -	USU			
Stillwater Camp	4/30	44	14.3R	14.3	7.6	5/1	Data Not Available -	USU			
LOWER BEAR RIVER (Below Harer, Idaho)											
Clarkston Mountain*						5/1	Data Not Available -	USU			
Deer Springs*						5/1	Data Not Available -	USU			
Franklin Basin*	4/29	91	35.4	- -	- -	5/1	Data Not Available -	USU			
Garden City Summit	4/29	50	20.1	19.2	17.6	4/29	2.90	3.64b	23.18	23.36b	
Klondike Narrows*	4/29	65	27.7R	19.8	15.4	5/1	Data Not Available -	USU			
Little Bear (lower)	5/1	25	9.5	0.0	.6	5/1	Data Not Available -	USU			
Little Bear (upper)*	5/1	39	16.6	7.6	4.0	5/1	Data Not Available -	USU			
Slug Creek Divide	5/1	57	21.6	12.2	- -	5/1	Data Not Available -	USU			
Steep Hollow #1	4/29	127	49.0	47.2	39.5	5/1	Data Not Available -	USU			
Steep Hollow #2	4/29	88	36.1	32.4	23.3	5/1	Data Not Available -	USU			
Tony Grove Ranger Station*	4/29	34	13.3R	2.0	2.4	5/1	Data Not Available -	USU			
OGDEN RIVER											
Beaver Creek-Skunk Creek	5/1	40	17.1R	4.6	4.7	5/1	4.63	4.59	37.70	29.32	129
Ben Lomond (lower)	5/1	54	23.3	2.8	5.3	5/1	Data Not Available -	USU			
Ben Lomond Peak*	5/1	128	52.5R	35.9	35.4	5/1	2.60	2.33a	18.49	16.64a	111
Causey Dam											
Cutler Creek	5/1	105	45.1R	26.3	24.9b	5/1	4.29	4.39b	31.41	25.16b	125
Dry Bread Pond	5/1	71	30.0R	19.8	16.1	5/1	Data Not Available -	USU			
Guilder's Peak*						5/1	Data Not Available -	USU			
Magpie Flat*						5/1	Data Not Available -	USU			
Middle Fork Ogden*						5/1	Data Not Available -	USU			
Sagebrush Flat	5/1	0	0.0	0.0	0.0	5/1	2.86a	2.56b	20.28a	16.88b	120
WEBER RIVER											
Beaver Creek Ranger Station	5/1	26	10.6R	.9	1.5	4/30	Data Not Available -	USU			
Chalk Creek #1	4/30	89	30.2	33.1	24.2	4/30	3.98	3.47b	17.75	15.59b	114
Chalk Creek #2*	4/30	61	20.7R	20.2	13.5b	4/30	8.20	5.67	44.54	30.92	144
Chalk Creek #3	4/30	26	9.1R	6.9	2.2	4/30	7.88	5.21b	46.31	- -	- -
Farmington Canyon (lower)	4/30	101	41.8	25.2	21.2b	5/1	Data Not Available -	USU			
Farmington Canyon (upper)	5/1	120	46.0R	35.2	31.6b	5/1	Data Not Available -	USU			
Farmington Guard Station						5/1	Data Not Available -	USU			
Francis Canyon*						5/1	Data Not Available -	USU			
Hardscrabble*						5/1	Data Not Available -	USU			
Horse Ridge	5/1	65	28.6	28.5	22.2b	5/1	4.09	4.44a	32.43	30.66a	106
Kilfore Creek	5/1	39	15.0R	10.5	13.8b	5/1	1.54	- -	14.42	- -	- -
Lost Creek Reservoir	5/1	0	0.0	- -	- -	4/29	4.56	4.71	33.69	26.73	126
Parley's Canyon Summit	4/29	72	26.9R	18.9	12.2	4/30	5.76	5.04a	31.90	25.01a	128
Redden Mine (lower)	4/30	66	25.4	20.7	17.5	4/28	5.05	3.94	22.83	22.03	104
Redden Mine (upper)											
Sargeant Lakes A	5/1	102	34.7	17.1	- -						
Smith & Morehouse	4/28	49	17.7R	13.9	7.8						
R - New May 1 Record High Water Content											

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average +	CURRENT INFORMATION	FROM APPROX. OCT 1 TO DATE				
NAME						Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
<u>PROVO RIVER & UTAH LAKE</u>											
Camp Altamont	4/30	55	22.2 R	0.0	5.9						
Clear Creek Ridge #1	4/28	64	24.7 R	20.9	16.3	4/28	1.99	3.25	17.69	18.55	95
Clear Creek Ridge #2	4/28	45	16.0	15.1	8.3	4/30	4.40	3.93	31.65	24.88	127
Clear Creek Ridge #3	4/28	0	0.0	0.0	.2	4/29	3.35	3.05	23.35	19.71	118
Dutchman Ranger Station	4/30	62	26.6 R	9.1	8.4	4/24	4.90	3.48	20.60	21.17	97
East Shingle Lake A	5/1	109	40.3	37.6	--	4/30	3.42	3.24	21.81	18.93	115
Hobble Creek Summit	4/29	44	16.6 R	7.6	5.7						
Packard Canyon	4/29	19	6.9 R	0.0	.8						
Payson Ranger Station	4/24	54	22.4	23.0	12.6						
Rock Bridge	4/24	32	12.8	12.1	3.3						
Soapstone Ranger Station	4/30	43	17.0 R	10.2	6.4						
South Fork Ranger Station	4/30	0	0.0	0.0	--						
Timpanogos Cave Camp	4/30	0	0.0	0.0	--						
Timpanogos Divide	4/30	79	32.7	15.6	19.6	4/30	5.60	4.07	36.35	28.57	131
Trial Lake	4/30	84	31.2	33.2	25.7	4/30	3.73	4.42	30.48	27.44	111
<u>JORDAN RIVER & SALT LAKE</u>											
Bevan's Cabin	4/29	43	14.8	10.0	3.4						
Lamb's Canyon	4/29	58	21.3 R	15.1	8.6	4/29	3.57	--	25.55	--	--
Lamb's Canyon #2	4/29	64	24.4	11.6	--	5/6	--	--	--	--	--
Middle Canyon - Tooele	5/6	51	19.4	16.5	7.6						
Mill Creek	5/1	80	30.7	26.9	--						
Mill D South Fork	4/30	74	30.6 R	19.6	14.4						
Rocky Basin-Settlement Canyon	5/1	99	39.2	35.4	27.4	5/1	12.36	5.25a	37.00	31.60a	117
Silver Lake (Brighton)	4/30	89	35.0	31.8	26.9	5/3	3.10	--	19.73	--	--
Vernon Creek	5/3	27	8.8	0.0	--						
<u>UPPER SEVIER RIVER (South of Richfield, Utah)</u>											
Box Creek	4/25	48	17.4	15.1	10.3	4/25	3.50	2.71	19.38	16.41	118
Castle Valley	5/2	43	14.4	.4	6.2	5/2	3.94	2.97	20.02	17.52	114
Duck Creek Ranger Station	4/26	45	19.4	0.0	6.0	4/26	3.40	3.12	21.35	20.37	105
Harris Flat	4/26	16	8.0 R	0.0	1.2						
Kimberly Mine	4/22	64	22.4	19.5	13.1	4/22	7.84	3.69	23.34	21.01	111
Midway Valley	4/26	74	28.4	14.5	21.4	4/26	6.00	--	28.20	--	--
Panguitch Lake	5/2	3	.9	0.0	.2	5/2	2.37	1.22	10.40	8.41	124
Squaw Springs	4/25	28	10.2	6.5	3.3						
Widtsoe Escalante Summit	4/30	22	8.1	0.0	2.8						
Widtsoe Escalante #2	4/30	37	10.1	4.0	6.1						
Widtsoe Escalante #3	4/30	41	12.2	5.6	7.8b	4/30	4.24	2.84	18.41	15.44	119
Widtsoe Ranger Station						4/30	1.37	0.87b	7.08	6.90b	103
<u>LOWER SEVIER RIVER</u> <u>Including San Pitch)</u>											
Beaver Dams	4/28	41	15.3 R	10.3	6.5	4/28	4.05	2.81	19.90	16.08	124
Farnsworth Lake	4/23	76	28.8	30.8	20.4	4/23	6.80	4.33	26.85	23.43	115
G.B.R.C. Headquarters	4/30	63	22.9	19.5	14.7	4/30	4.75	3.89	24.20	21.34	113
G.B.R.C. Majors						4/30	2.90	--	13.57	--	--
G.B.R.C. Meadows	4/30	90	35.3	32.9	27.1	4/30	5.75	4.52b	30.08	--	--
G.B.R.C. Oaks						4/30	3.25	3.02b	16.53	--	--
Gooseberry Ranger Station	4/23	50	19.7 R	19.2	8.3	4/23	5.25	3.13b	18.70	16.40b	114
Mammoth R.S.-Cottonwood Ck	4/29	75	28.6 R	23.0	17.2b	4/29	4.70	3.55b	27.55	22.19b	124
Mt. Baldy Ranger Station	4/28	84	32.5	32.2	24.2	4/28	5.20	3.56b	24.95	20.84b	120
Oak Creek	4/30	47	16.5	7.8	--	4/30	10.64	2.69a	21.40	17.33a	124
Pickle Keg Springs	4/24	56	22.2	23.6	11.7a	4/24	7.00	2.84a	21.04	17.64a	119
Pine Creek	4/29	65	24.1	22.4	10.9	4/29	9.44	5.28	30.94	27.70	112
Shingle Mill	4/29	33	12.8	--	1.9b	4/29	6.03	3.56b	22.09	17.27b	128
<u>BEAVER RIVER</u>											
Beaver Canyon Power House											
Beaver Race Track	4/23	0	0.0	0.0	--	4/30	1.95	2.09	10.87	11.00	99
Big Flat	4/23	68	22.7	21.0	18.6	4/23	4.85	3.34b	20.11	19.73b	102
Merchant Valley	4/23	45	15.1	7.0	4.0a	4/22	3.97	3.18a	17.27	17.01a	102
Otter Lake	4/23	55	18.2	17.1	13.0						
R - New May 1 Record High Water Content											

+ 1958-1972 period

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT TO DATE		
				Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
<u>PAROWAN CREEK</u>											
Birch Crossing	4/24	27	11.6	0.0	0.9a						
Brian Head	4/24	77	28.1	20.6	19.4a						
Ed Ward Flat	4/24	34	14.1R	0.0	2.0						
Tall Poles	4/24	54	19.4	12.2	11.0						
Yankee Reservoir	4/24	39	15.9	4.2	5.7						
<u>COAL CREEK</u>											
SUSC Ranch	4/26	22	10.2	0.0	1.3a						
<u>ENTERPRISE TO NEW HARMONY DRAINAGES</u>											
Little Grassy Creek	5/1	0	0.0	0.0	0.0b						
Long Flat	4/30	24	10.0	0.0	.4b						
<u>COLORADO RIVER BASIN</u>											
<u>UPPER GREEN RIVER - UTAH</u>											
Ashley Twin Lakes A	5/1	65	22.1	14.4	--						
Black's Fork Junction-East Fk	4/30	42	11.9	15.2	8.4b						
Black's Fork G.S.-East Fork	4/30	47	13.0	14.3	10.1b						
Buck Pasture A	5/1	90	25.2	23.8	--						
Burnt Creek	4/24	20	7.7	0.0	--						
Grizzly Ridge	4/23	36	11.1	9.0	--						
Henry's Fork A	5/1	57	16.5	16.1	--						
Hewinta Guard Station	4/30	46	13.1	15.2	10.2b						
Hickerson Park	4/24	20	5.8	10.6	5.2b						
Highline Trail	4/22	65	19.4	--	--						
King's Cabin (lower)	4/23	24	7.8	6.0	6.5						
King's Cabin (upper)	4/23	36	11.2	9.7	9.4						
Reynolds Park A	5/1	74	25.2	14.0	--						
Spirit Lake	4/24	56	19.0	15.2	15.0b						
Steel Creek Park	4/30	76	21.8	25.0	18.7b						
Trout Creek	4/22	37	9.8	--	--						
Windy Park A	5/1	42	12.6	10.9	--						
<u>DUCHESTER RIVER</u>											
Atwood Basin A	5/1	41	13.1	6.3	--						
Brown Duck Ridge	4/30	71	25.9	--	--						
Chepetta-Whiterocks Lakes A	5/1	64	21.8	11.5	--						
Currant Creek	4/21	32	10.6R	0.0	1.8b						
Daniels-Strawberry Summit	4/28	43	15.9	12.4	7.8						
East Portal	4/30	32	10.8R	0.0	--						
Five Point Lake A	5/1	Not Read		15.3	--						
Indian Canyon	4/21	53	17.5	3.4	10.4b						
Lakefork Basin A	5/1	Not Read		23.1	--						
Lakefork Mountain	4/29	48	15.4	7.0	11.7						
Lakefork Mountain #2	4/29	27	9.2	0.0	3.7						
Lakefork Mountain #3	4/29	18	6.4	0.0	1.2						
Lightning Lake A	5/1	100	28.0	30.6	--						
Lake Basin	4/30	92	37.1	28.0	--						
Mosby Mountain	4/25	42	13.0	6.7	9.5						
Paradise Park	4/25	51	17.4	9.6	12.8						
Rock Creek	4/30	18	7.0R	0.0	.9b						
Strawberry Divide	4/30	59	21.2	--	--						
<u>PRICE RIVER</u>											
Dry Valley Divide	4/30	29	10.4	.5	3.7						
Gooseberry Reservoir	4/29	70	27.8R	21.6	17.2						
Jones Ranch	4/30	16	5.4R	--	0.0b						
Mud Creek #2	4/30	41	12.9	5.2	7.0						
White River #1	4/29	46	15.5	11.3	9.2						
White River #2	4/29	24	8.1R	0.0	1.1						
White River #3	4/29	12	4.4R	0.0	0.0b						

SNOW

DRAINAGE BASIN and/or SNOW COURSE: NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
				Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
SAN RAFAEL RIVER											
Buck Flat	4/25	61	22.2	19.9	15.4	4/25	3.45	2.98	24.80	20.28	122
Orange Olsen	4/28	0	0.0	0.0	--	4/28	1.00	1.08a	10.65	10.06a	106
Red Pine Ridge	4/28	54	19.7	17.4	14.4	4/28	2.85	3.50	27.30	23.81	115
Rush Pond	4/25	55	18.3	14.0	11.2						
Seeley Creek	4/30	57	21.2	19.6	16.8						
Stuart Ranger Station	4/28	23	7.4R	4.3	1.3	4/28	1.75	2.16	15.00	14.32	105
Upper Joe's Valley	4/28	32	10.3	5.3	4.8						
Wrigley Creek	4/25	44	14.8	9.6	7.1						
FREMONT RIVER											
Black's Flat-U.M. Creek	4/24	46	16.4	15.3	8.1	4/24	3.90	2.32	17.33	14.47	120
Fish Lake	4/24	33	12.5	11.4	2.8	4/24	2.70	1.72b	13.63	11.08b	123
Johnson Valley	4/24	27	9.8	9.4	2.8						
MILL CREEK											
LaSal Mountain (lower)	4/30	31	11.0	1.5	3.1b	4/30	3.90	2.59b	19.35	18.26b	106
LaSal Mountain (upper)	4/30	54	20.0	16.6	11.7b						
SAN JUAN RIVER											
Buckboard Flat	4/29	50	17.6	1.9	5.8	4/29	6.30	2.51	26.67	20.53	130
Camp Jackson	4/29	41	13.3	0.0	4.5b	4/29	4.85	2.13b	25.15	18.05b	139
Monticello City Park	4/29	0	0.0	0.0	--						
VIRGIN RIVER											
Kolob Crystal	4/28	71	26.9	--	--	4/28	3.75	--	--	--	--
Long Valley Junction	4/26	0	0.0	0.0	.1b	4/26	6.10	3.81	30.05	23.08	130
Webster Flat	4/26	56	21.8	6.2	10.8						
R - New May 1 Record High Water Content a - Partly Estimated b - Average of all past record - less than 15 years + - 1958-72 Average * - USU-SCS Cooperative Radio Reading A - Aerial Marker Reading ** - SCS Radio Reading											

R - New May 1 Record High Water Content

a - Partly Estimated

b - Average of all past record - less than 15 years

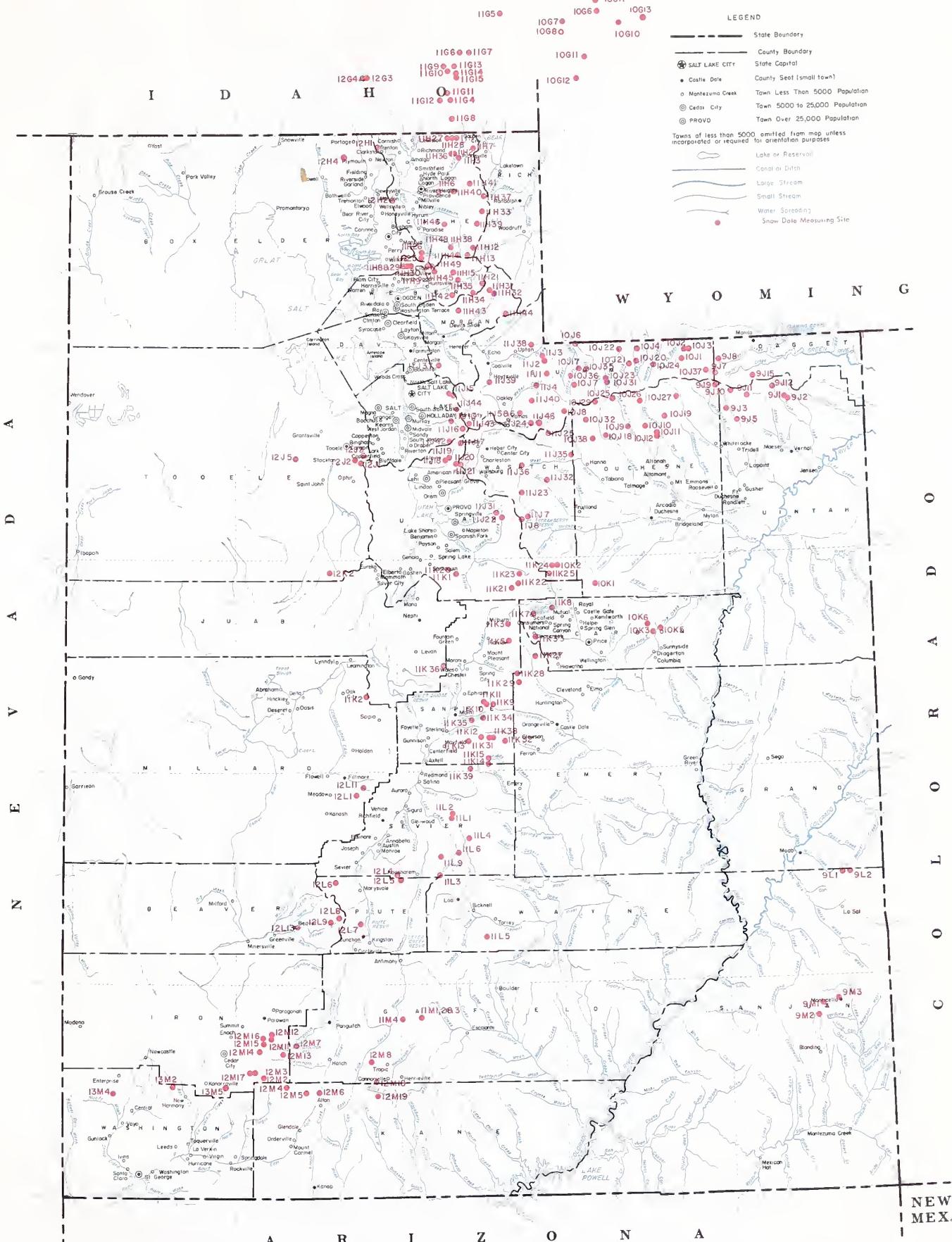
+ - 1958-72 Average

* - USU-SCS Cooperative Radio Reading

A - Aerial Marker Reading

** - SCS Radio Reading

+ 1958-1972 period.



SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1975



INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC.	TWP.	ELEV.	THP.	RGE.	ELEV.	SEC.	TWP.	RGE.	ELEV.	NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.	SEC.	TWP.	RGE.	ELEV.			
UPPER BEAR RIVER (above Harter, Idaho)																										
10G11	W	Big Park	17	27N	117W	8,700	1J18P	1J22P	27	45	2E	5,500	U	Timpanogos Cave Camp	23	IN	11E	9,800	U	Tokewanna Peak	23	IN	11E	9,800		
10J6P	U	Burts Miller Ranch	19	29N	10E	7,900	1J22P	10J8P	45	3E	8,140	9,800	U	Timpanogos Divide	1	IS	15E	9,400	U	Wind Park	1	IS	15E	9,400		
10G7	W	CCC Camp	9	11N	9E	7,500	10J8P	10J8P	9E	25	9E	9,800	U	JORDAN RIVER & GREAT SALT LAKE	21	IS	15E	10,250	U	DUCHESE N RIVER	21	IS	15E	10,250		
10J3P	U	Gold Hill	11	11N	9E	10,000	10J8P	10J8P	11N	9E	10,000	10J8P	U	Ashwood Basin	3	IS	15E	10,300	U	Brown Duck Ridge	3	IS	15E	10,300		
10J7P	W	Hayden Fork	13	26N	118W	9,400	10J8P	10J8P	11N	9E	9,400	10J8P	U	Cheep-Whitetricks Lakes	31	IS	15E	7,800	U	Current Creek Lakes	31	IS	15E	7,800		
10G12	W	Holy Ranch Station	13	26N	118W	8,200	10J8P	10J8P	11N	9E	8,200	10J8P	U	Daniels-Piney Summit	20	IS	15E	8,000	U	East Portal	20	IS	15E	8,000		
10G17S	W	LeBeque Guard Station	7	30N	116W	9,000	1J46SP	1212P	25	7E	8,000	8,450	U	Middle Canyon #2	36	IS	15E	7,560	U	Five Point Lake	28	IS	15E	11,000		
10J5P	U	Lily Lake	34	2N	10E	9,300	1212P	1214P	15	4W	9,190P	9,250	U	Mill Creek	17	IS	15E	11,320P	U	Indian Canyon	15	IS	15E	11,320P		
10H12P	U	Monte Carlo R.S.	4	8N	4E	8,960	1214P	1214P	21	15	3E	7,400	U	Rocky Basin-Bethelment Canyon	18	IS	15E	11,230P	U	Jockey's Park	23	IS	15E	11,230P		
10H10P	W	Piney LeBarde R.S.	19	29N	114W	8,820	1214P	1214P	32	15	3W	7,000	U	Rocky Basin	10	IS	15E	10,100	U	Jackie's Park	23	IS	15E	10,100		
10G6	W	Poison Meadow R.S.	29	30N	116W	8,500	1214P	1214P	110	25	15	6,500	U	Rocky Basin	110	IS	15E	10,100	U	Lake Basin	23	IS	15E	10,100		
10G8P	W	Salt River Summit	10	29N	118W	7,900	1214P	1214P	110	25	3W	8,900	U	Rocky Basin	110	IS	15E	10,100	U	Lake Basin	23	IS	15E	10,100		
10G13P	W	Snyder Basin	11	29N	115W	8,500	1214P	1214P	110	25	3W	8,900	U	Rocky Basin	110	IS	15E	10,100	U	Lake Basin	23	IS	15E	10,100		
10J7P	U	Stillwater Camp	32	2N	10E	8,500	1214P	1214P	105	5W	8,500	1214P	U	Silver Lake (Brighton)	35	25	3E	8,725	U	Stillwater Camp	23	IS	15E	10,200		
LOWER BEAR RIVER (below Harter, Idaho)																										
11H37P	U	Bug Lake	18	11N	5E	7,950	12K2P	12K2P	105	5W	7,950	10,000	U	UPPER SEVIER RIVER (South of Richfield, Utah)	21	105	5W	7,500	U	Timpanogos Divide	21	105	5W	7,500		
11H36P	U	Bunchgrass Ranch	5	13N	3E	8,400	12K2P	12K2P	36	3W	9,800	8,000	U	Box Creek	33	26S	2W	9,800	U	Timpanogos Divide	21	105	5W	7,500		
11G11P	U	Christensen Ranch	27	13S	41E	7,300	12K2P	12K2P	111	3W	8,000	8,000	U	Bryce Canyon	36	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H38P	U	Cinnamon Creek	29	14N	2W	6,300	12K2P	12K2P	111	3W	8,000	8,000	U	Duck Creek	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
12H12P	U	Clarkson Mountain	5	14N	4E	5,400	12K2P	12K2P	111	3W	8,000	8,000	U	Fairies Valley	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H39P	U	Club River Ranger Station	12	10N	4E	8,450	12K2P	12K2P	111	3W	8,000	8,000	U	Fairies Valley	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H39P	U	Curtis Ranch	34	10N	4E	8,400	12K2P	12K2P	111	3W	8,000	8,000	U	Harris Flat	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11G14P	U	Deer Springs	30	13S	42E	7,700	12K2P	12K2P	111	3W	8,000	8,000	U	High-Top Mountain	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
12C4	U	Dry Creek Flat	31	12S	42E	7,350	12K2P	12K2P	111	3W	8,000	8,000	U	Emigration Canyon (mouth)	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11G6	U	Emigration Summit	21	12S	42E	7,350	12K2P	12K2P	111	3W	8,000	8,000	U	Emigration Canyon	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11G7	U	Franklin Basin	24	16S	41E	6,500	12K2P	12K2P	111	3W	8,000	8,000	U	Grover	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11G8P	U	Golden City Summit	34	6S	35	14N	4E	8,400	12K2P	12K2P	111	3W	8,000	8,000	U	Gooper	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500
13H45P	U	George Canyon	4	13N	4W	7,600	12K2P	12K2P	111	3W	8,000	8,000	U	Gooper	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
12H2P	U	Hell Canyon	24	11N	3E	9,400	12K2P	12K2P	111	3W	8,000	8,000	U	Hilltop	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H40P	U	Herd Hollow	31	11N	3E	7,000	12K2P	12K2P	111	3W	8,000	8,000	U	Hornet	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H45P	U	Horseshoe Basin	10	14N	3E	7,400	12K2P	12K2P	111	3W	8,000	8,000	U	Kidwell	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H45P	U	Horseshoe Narrows	10	14N	3E	7,400	12K2P	12K2P	111	3W	8,000	8,000	U	Kidwell	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H45P	U	Liberty Springs	15	8N	4E	6,000	12K2P	12K2P	111	3W	8,000	8,000	U	Liberty Springs	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H45P	U	Little Bear (lower)	22	8N	4E	6,350	12K2P	12K2P	111	3W	8,000	8,000	U	Little Bear	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H45P	U	Little Bear (upper)	22	8N	4E	6,350	12K2P	12K2P	111	3W	8,000	8,000	U	Little Bear	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H45P	U	Mt. Logan	3	13N	2E	9,000	12K2P	12K2P	111	3W	8,000	8,000	U	Logan	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H45P	U	Oxford Mountain	33	10N	25E	6,600	12K2P	12K2P	111	3W	8,000	8,000	U	Parowan	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H46P	U	Paradise Canyon	36	10N	25E	6,600	12K2P	12K2P	111	3W	8,000	8,000	U	Parowan	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H46P	U	Slugs Creek	10	10N	4E	7,225	12K2P	12K2P	111	3W	8,000	8,000	U	Parowan	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H46P	U	Steep Hollow #1	7	14N	3E	7,500	12K2P	12K2P	111	3W	8,000	8,000	U	Parowan	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H46P	U	Steep Hollow #2	7	14N	3E	7,500	12K2P	12K2P	111	3W	8,000	8,000	U	Parowan	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11G28	U	Strawberry Creek	9	13S	4E	5,800	12K2P	12K2P	111	3W	8,000	8,000	U	Strawberry Creek	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11G28	U	Tony Grove Lake	14	13N	3E	9,400	12K2P	12K2P	111	3W	8,000	8,000	U	Tony Grove	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H34M	U	Middle Fork Ogden	16	7N	2E	8,250	12K2P	12K2P	111	3W	8,000	8,000	U	Widow's Creek	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H49P	U	Powder Mountain Hideaway	6	7N	2E	8,250	12K2P	12K2P	111	3W	8,000	8,000	U	Widow's Creek	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H49P	U	Powder Mountain Sundown	1	7N	3E	6,300	12K2P	12K2P	111	3W	8,000	8,000	U	Widow's Creek	111	36S	4W	8,000	U	Timpanogos Divide	21	105	5W	7,500		
11H49P	U	Sagebrush Flat	21	7N	3E	6,300	12K2P	12K2P	111	3W	8,000	8,000	U													

Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture
Soil Conservation Service
Forest Service
U.S. Department of Commerce
NOAA, National Weather Service
U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah State University
Utah Fish and Game Department
Utah State Department of Natural
Resources, Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation



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